

## CLAIMS

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1. A smart card customizing system characterised in that it comprises:

5       - at least one customizing machine (MP) each equipped with at least one customizing station (PP) sending customizing data requests;

      - at least one customizing data server (SD) delivering customizing data;

10       - at least one management interface connected on the one hand to at least one of the said customizing machines (MP) and on the other hand to at least one of the said data servers by a bi-directional link, the said management interface receiving the said requests, transmitting them to at least one of the said servers, receiving the corresponding response and transmitting it to the requesting customizing station,

15       characterised in that the said management interface is able to manage the transmission of the applications/requests or customizing data requirements to at least one of the said servers as soon as they are received and as soon as the said server is available.

20       2. A system for customizing smart cards according to Claim 1, characterised in that the said management interface coordinates the execution at the same time or periodically and for each customizing station at least the following types of task:

25       . monitoring the occurrence of a request,  
      . monitoring the availability of each server,  
      . transmitting the request to a server as soon as  
30       it is available,

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receiving the data responding to the request,  
transmitting the response data to the  
requesting customizing station as soon as they are  
received.

5 3. A system for customizing smart cards according  
to one of the preceding claims, characterised in that  
the said management interface has:

- a computer (PC) equipped with a multiway card  
(CM),
- 10 - each data server and each customizing station  
being respectively connected to the computer by a  
serial link on the multiway card (CM),
- a multitask real-time operating system for  
operating the said tasks at the same time and in real  
15 time.

4. A system according to Claim 1, 2 or 3,  
characterised in that each customizing station  
comprises:

- a microprocessor (TBP),
- 20 - a reader/encoder (LE),
- a first computer link of the serial type (LS)  
between the microprocessor (TBP) and the computer (PC)  
of the server (SD), and
- a second computer link of the serial type (LLE)  
25 between the microprocessor (TBP) and the reader-encoder  
(LE).

5. A system according to Claim 4, characterised  
in that the first and second computer links of the  
serial type (LS, LLE) of each microprocessor (TBP) are  
30 produced by connecting certain output terminals ( $V_{pp}$ ,

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V<sub>cc</sub>, CLK, I/O, GND) of an output connector (COS) of the microprocessor (TBP) to an adaptation device (DA).

6. A system according to Claim 5, characterised in that the adaptation device (DA) comprises:

5       - a switching circuit (RS) comprising two switches (RS1, RS2) whose input terminal is connected in one case (RS1) to the clock output terminal (CLK) and in the other case (RS2) to the output terminal for the data signals (I/O), the switching being controlled by a  
10       programming signal on the output terminal (V<sub>pp</sub>),

      - two adaptor circuits (SLA1, SLA2), the two input terminals of which are each connected to an output terminal of a switch (RS1, RS2), the said adaptor circuits also being connected to the output terminal  
15       (V<sub>cc</sub>) for the electrical power supply and to the earth output terminal (GND) of the output connector (COS).

7. A system for customizing smart cards according to one of the preceding claims, characterised in that the said server is an enciphering data server.

20       8. A system for customizing smart cards according to one of the preceding claims, characterised in that it comprises a control device (DC) for supplying additional customizing data, the said device being connected by means of a communication bus (PC) to each  
25       customizing station (PP) of a customizing machine.

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